

10/688,624

2

BOE 0432 PA

In The Claims:

1. (Original) An architectural archway for an aircraft having an elongated fuselage with an upper crown portion, a floor member and a lower lobe portion, said archway comprising a curved inverted hoop-like structure with two spaced apart end members, said structure adapted to fit inside the fuselage and be positioned on the floor member with said end members positioned on the floor member on opposite sides of the fuselage.

2. (Original) The architectural archway for an aircraft as described in claim 1 wherein said archway is hollow and is adapted to run system components between said upper crown portion and said lower lobe portion, the system components being electrical wires, water lines or conditioned air ducts.

3. (Original) The architectural archway for an aircraft as described in claim 1 wherein said archway has a cross-sectional shape selected from the group comprising V-shaped, U-shaped and semi-circular shaped.

4. (Original) The architectural archway for an aircraft as described in claim 1 further comprising at least one integral passageway in said archway structure for passage of a system component of the aircraft.

5. (Original) The architectural archway for an aircraft as described in claim 1 further comprising a lavatory positioned in said archway structure adjacent one of said end members.

6. (Original) The architectural archway for an aircraft as described in claim 1 further comprising a flight attendant seat member positioned in said archway structure.

7. (Original) A pair of architectural archways for an aircraft having an elongated fuselage with a door member, an upper crown portion, a floor member and a lower lobe portion, each of said archways comprising an inverted curved structure with a curved central portion and two spaced apart leg members, each of said leg members having an end member adapted to

10/688,624

3

BOE 0432 PA

be positioned on the floor member, said pair of archways adapted to be positioned in the aircraft adjacent to and framing a door member.

8. (Original) The pair of architectural archways as described in claim 7 wherein said end members of each of said archways are adapted to be positioned on the floor member on opposite sides of the fuselage.

9. (Original) The pair of architectural archways as described in claim 7 wherein each of said archways is hollow and is adapted to run system components between said upper crown portion and said lower lobe portion, the system components being electrical wires, water lines or conditioned air ducts.

10. (Original) The pair of architectural archways as described in claim 7 wherein each of said archways has a cross-sectional shape selected from the group comprising V-shaped, U-shaped and semi-circular shaped.

11. (Original) The pair of architectural archways as described in claim 7 further comprising at least one integral passageway in said archway structure for passage of a system component of the aircraft.

12. (Original) The pair of architectural archways as described in claim 7 wherein at least one of said pair of archway structures has a lavatory in it.

13. (Original) The pair of architectural archways as described in claim 7 wherein at least one of said pair of archway structures has a flight attendant seat member in it.

14. (Currently Amended) An aircraft having a fuselage for carrying passengers, said fuselage having an upper crown portion, a lower lobe portion, a passenger portion, a floor member in said passenger portion, at least one door member in said passenger portion, and at least one conduit from an aircraft support system, comprising at least one archway member positioned in said passenger portion of said fuselage, said archway member having an inverted curved configuration with a curved central portion and two curved end

10/688,624

4

BOE 0432 PA

portions, each of said curved end portions having an end member positioned on said floor member.

15. (Original) The aircraft as described in claim 14 wherein said archway member has an internal hollow portion for positioning and passage of said conduit from said aircraft support system.

16. (Original) The aircraft as described in claim 14 wherein said archway member has a cross-sectional shape selected from the group comprising V-shaped, U-shaped and semi-circular shaped.

17. (Original) The aircraft as described in claim 14 wherein said aircraft has a plurality of support system conduits positioned in said crown portion and said lower lobe portion, and wherein at least a portion of said support system conduits are also positioned in said archway member.

18. (Original) The aircraft as described in claim 14 wherein said aircraft has a plurality of support system conduits positioned in said crown portion and said lower lobe portion and wherein at least a portion of said support system components are passed between said upper crown portion and said lower lobe portion through said archway member.

19. (Original) The aircraft as described in claim 14 wherein a pair of said archway members are positioned closely adjacent each other in said passenger portion and positioned adjacent to said door member.

20. (Original) The aircraft as described in claim 19 wherein said pair of archway members are positioned on either side of said door member.

21. (Original) The aircraft as described in claim 14 wherein at least two sets of archway members are positioned in said passenger portion, each set comprising a pair of archway members positioned closely adjacent each other.

10/688,624

5

BOE 0432 PA

22. (Original) The aircraft as described in claim 14 wherein said archway member is utilized as a divider to separate said passenger portion into two separate sections.

23. (Original) The aircraft as described in claim 14 wherein said archway member is utilized as a divider to separate said passenger portion from at least one flight service portion.

24. (Original) The aircraft as described in claim 14 wherein said archway member has at least one integral passageway for positioning of said conduit.

25. (Original) The aircraft as described in claim 14 further comprising a lavatory positioned in at least one curved end portion of said archway member.

26. (Original) The aircraft as described in claim 14 further comprising a seat member positioned in at least one curved end portion of said archway member.

27. (Original) The aircraft as described in claim 14 where wherein said aircraft has a plurality of support system conduits positioned in said crown portion and said lower lobe portion, and wherein at least a portion of said support system components are passed from said upper lobe portion and into said passenger portion through said archway member.

28. (Original) The aircraft as described in claim 14 wherein said aircraft has a plurality of support system conduits positioned in said crown portion and said lower lobe portion, and wherein at least a portion of said support system components are passed from said lower lobe portion and into said passenger portion through said archway member.

29. (Original) The aircraft as described in claim 14 wherein said aircraft has a plurality of support system conduits positioned in said crown portion and said lower lobe portion, and wherein at least a portion of said support system components are passed between said upper crown portion and said lower lobe portion through said archway member.

10/688,624

6

BOE 0432 PA

30. (Original) The aircraft as described in claim 14 wherein said support system is selected from the group comprising an electrical system, a water system and a conditioned air system.

31. (New) An architectural archway for an aircraft having an elongated fuselage with an upper crown portion, a floor member and a lower lobe portion, said archway comprising a arch-like structure with two spaced apart end members, said structure adapted to fit inside the fuselage and be positioned on the floor member with said end members positioned on the floor member on opposite sides of the fuselage.

32. (New) The architectural archway for an aircraft as described in claim 31 wherein said archway is hollow and is adapted to run system components between said upper crown portion and said lower lobe portion, the system components being electrical wires, water lines or conditioned air ducts.

33. (New) The architectural archway for an aircraft as described in claim 31 wherein said archway has a cross-sectional shape selected from the group comprising V-shaped, U-shaped and semi-circular shaped.

34. (New) The architectural archway for an aircraft as described in claim 31 further comprising at least one integral passageway in said archway structure for passage of a system component of the aircraft.

35. (New) The architectural archway for an aircraft as described in claim 31 further comprising a lavatory positioned in said archway structure adjacent one of said end members.

36. (New) The architectural archway for an aircraft as described in claim 31 further comprising a flight attendant seat member positioned in said archway structure.

37. (New) An aircraft having a fuselage for carrying passengers, said fuselage having an upper crown portion, a lower lobe portion, a passenger portion, a floor

10/688,624

7

BOE 0432 PA

member in said passenger portion, at least one door member in said passenger portion, and at least one conduit from an aircraft support system, comprising:

at least one archway member means positioned in said passenger portion of said fuselage, said archway member means having two end portions, each of said end portions having an end member positioned on said floor member.

38. (New) The aircraft as described in claim 37 wherein said archway member means configured for positioning and passing said conduit from said aircraft support system therein.

39. (New) The aircraft as described in claim 37 wherein said aircraft has a plurality of support system conduits positioned in said crown portion and said lower lobe portion, and wherein at least a portion of said support system conduits are also positioned in said archway member means.

40. (New) The aircraft as described in claim 37 wherein a pair of said archway member means are positioned closely adjacent each other in said passenger portion and positioned adjacent to said door member.

41. (New) The aircraft as described in claim 40 wherein said pair of archway member means are positioned on either side of said door member.